

FIG. 1

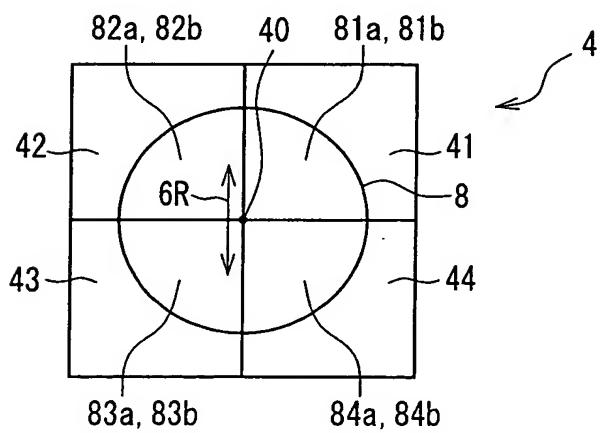
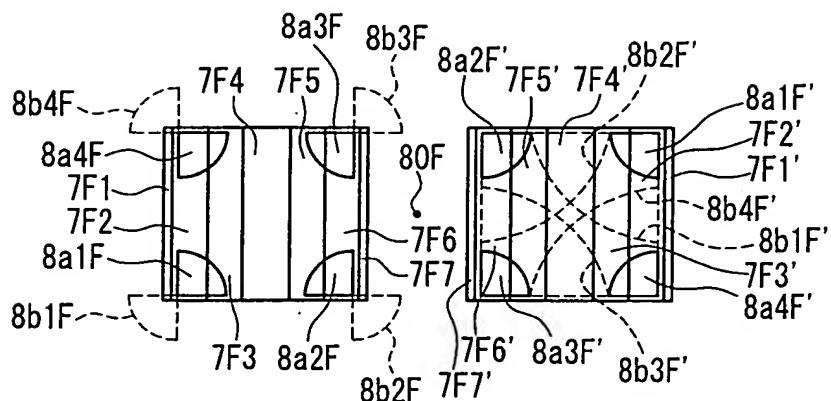
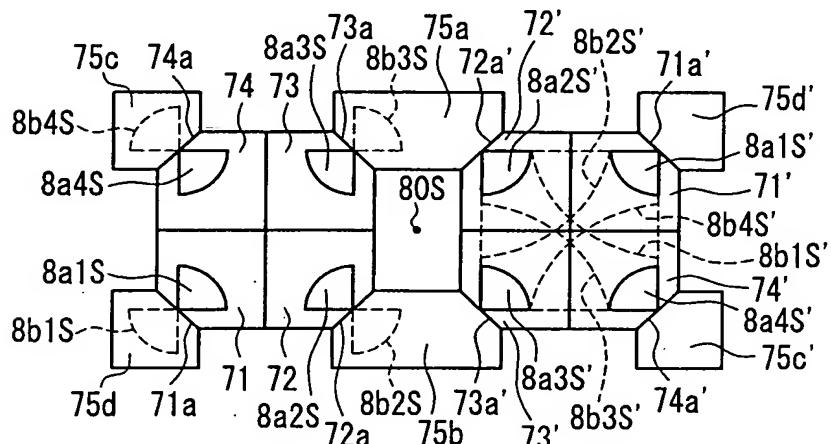


FIG. 2

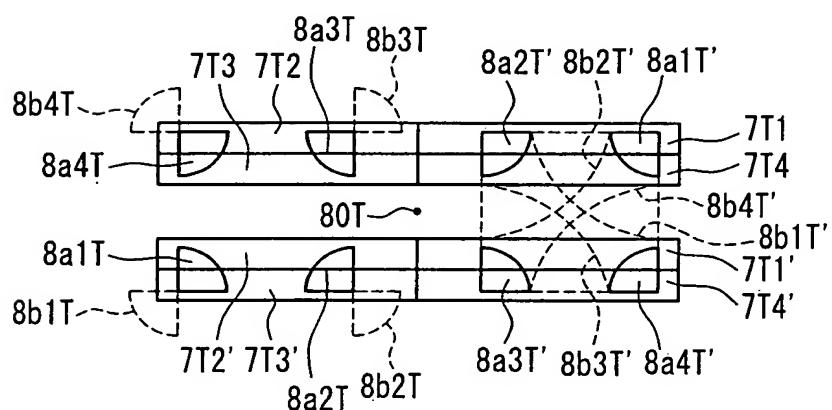
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Focus  
detecting part



## Reproduction signal detecting part



## Tracking detecting part

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FIG. 3

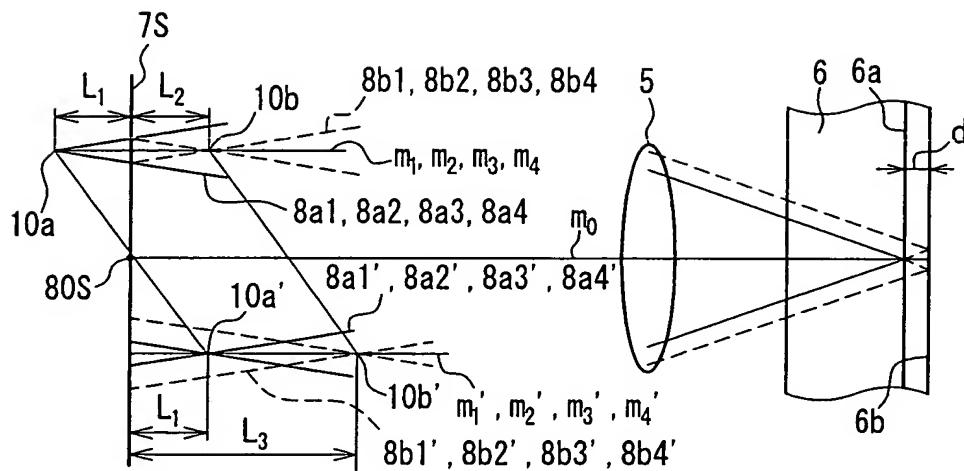


FIG. 4

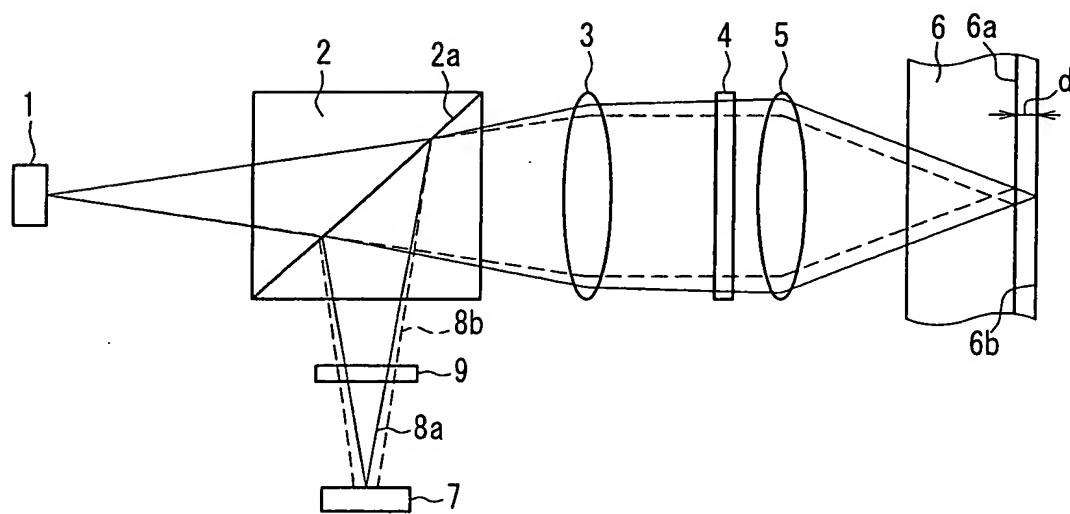
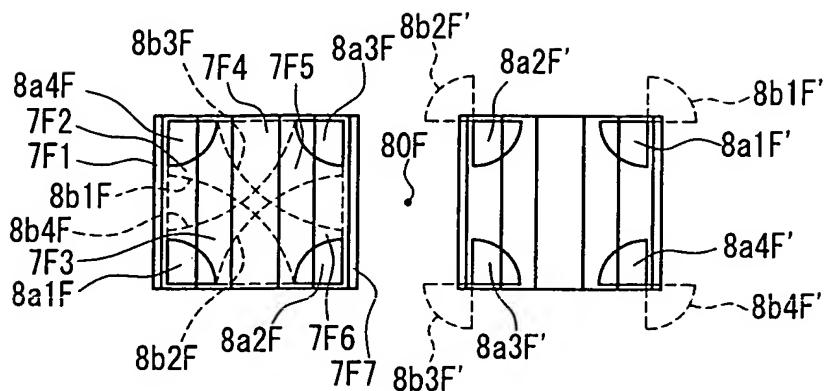
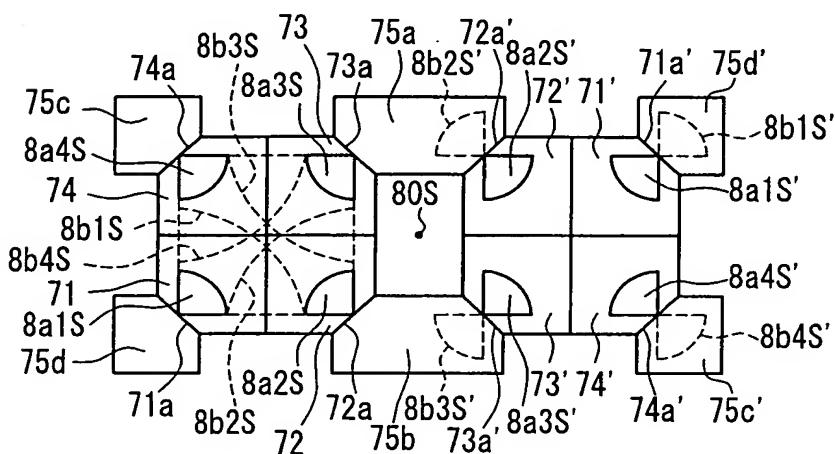


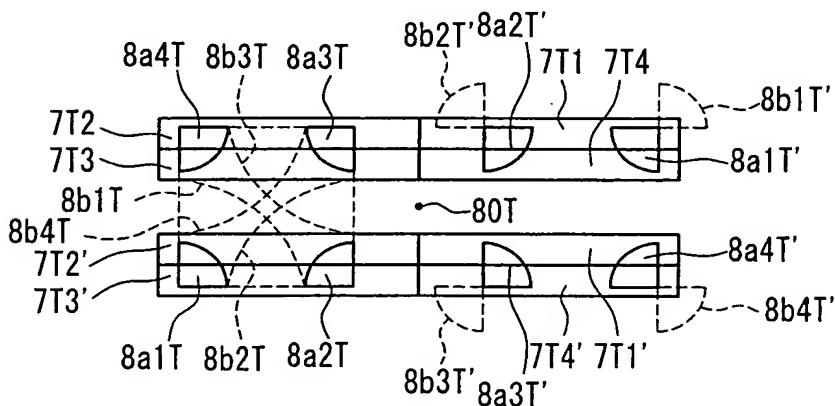
FIG. 5



Focus  
detecting part



Reproduction signal  
detecting part



Tracking  
detecting part

FIG. 6

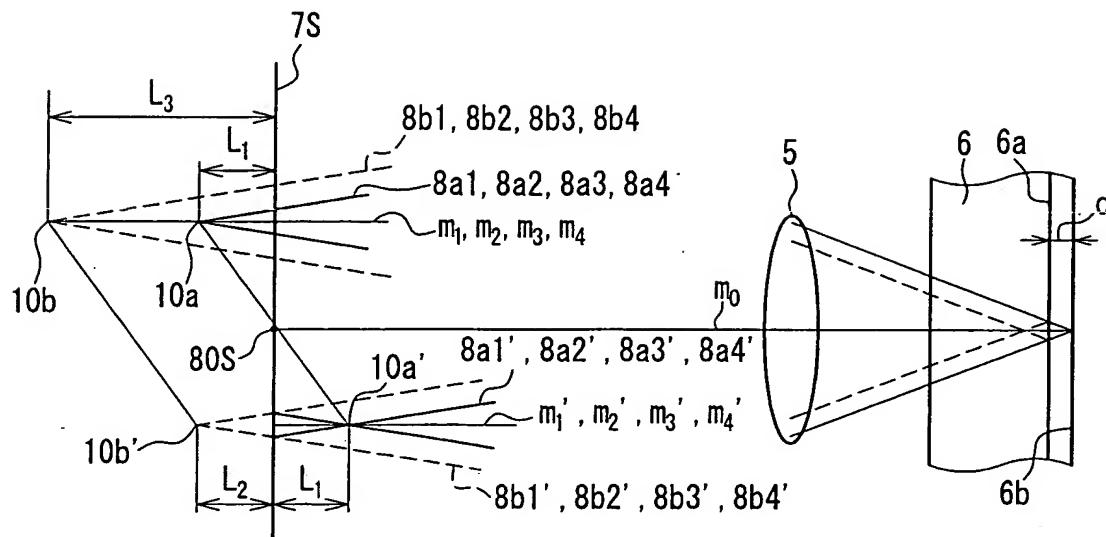


FIG. 7

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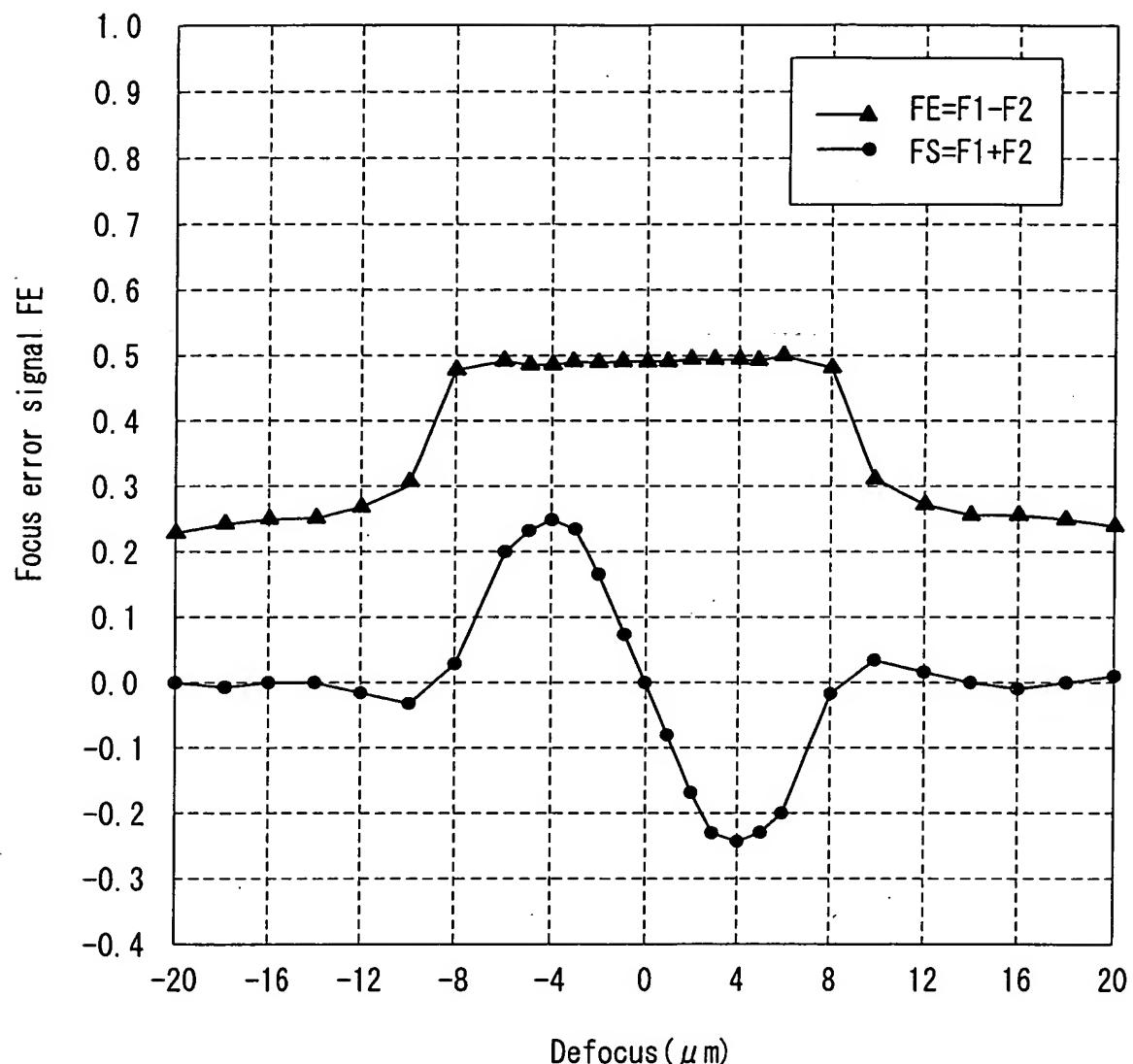


FIG. 8

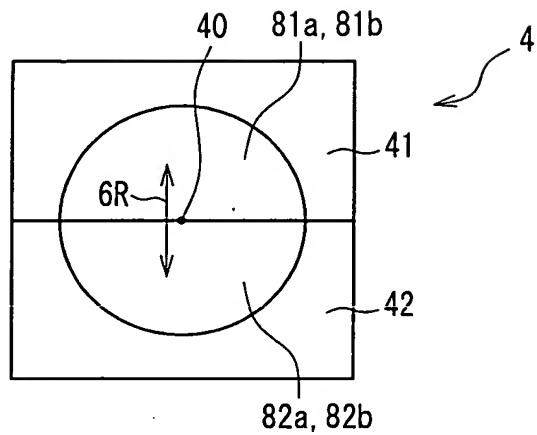


FIG. 9

FIG. 10A

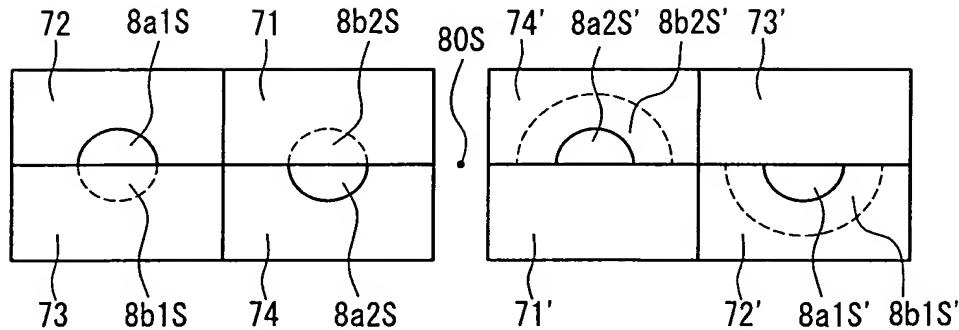
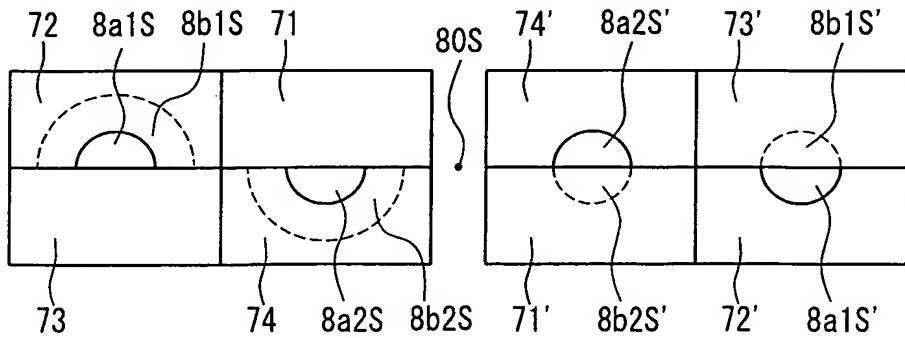


FIG. 10B



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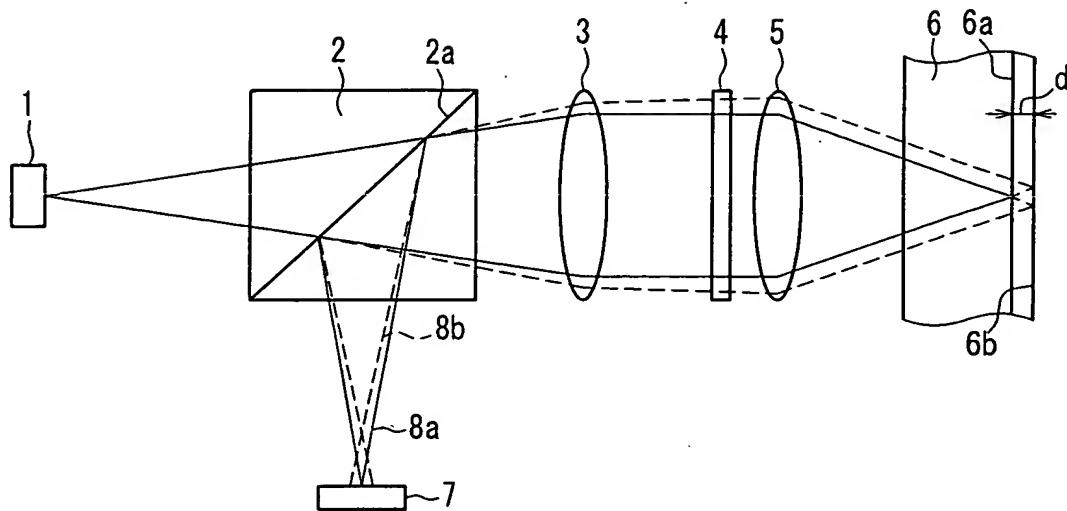


FIG. 11

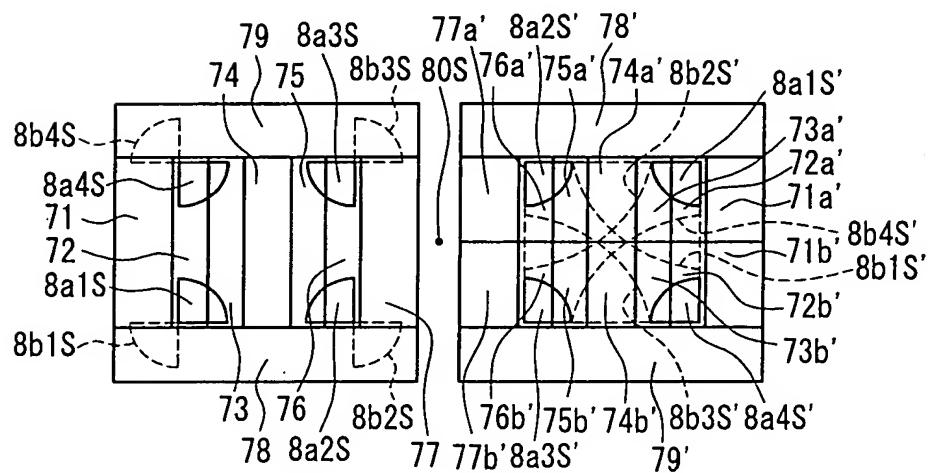


FIG. 12

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Inventor: NISHIWAKI et al.  
 Docket No.: 10873.1671USWO  
 Title: OPTICAL DISK DEVICE  
 Attorney Name: Douglas P. Mueller  
 Phone No.: 612.371.5237  
 Sheet 9 of 21

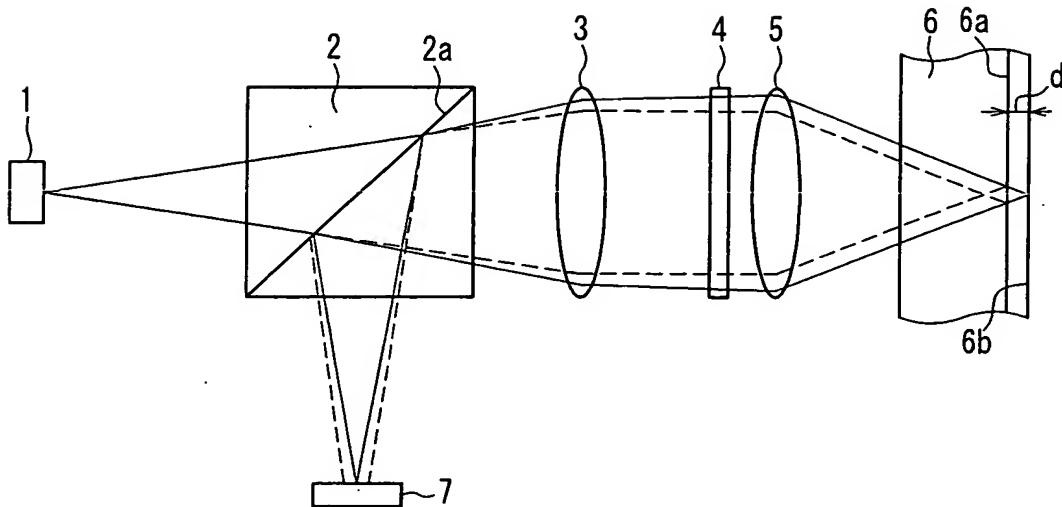


FIG. 13

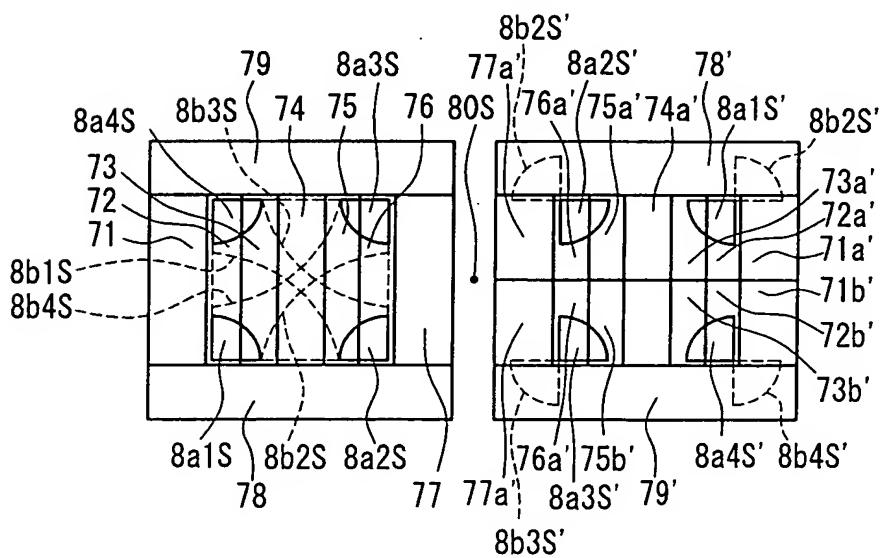


FIG. 14

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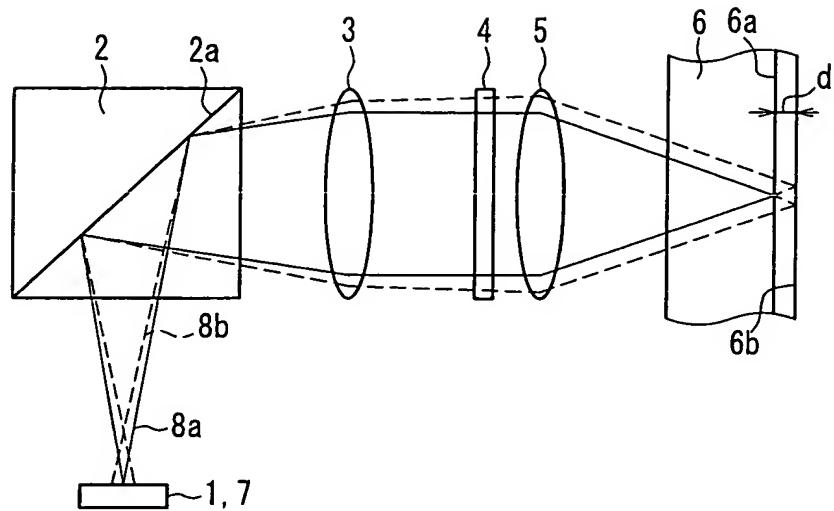


FIG. 15

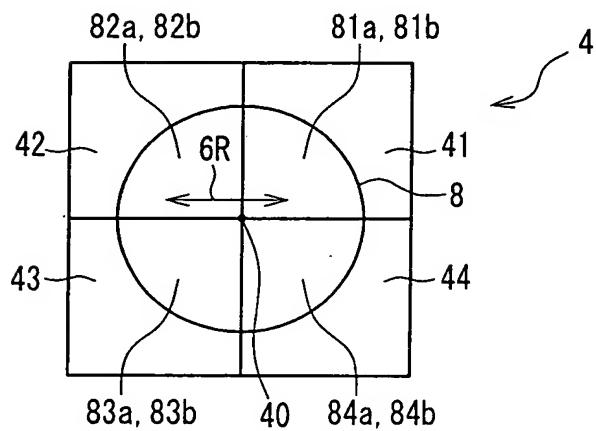


FIG. 16

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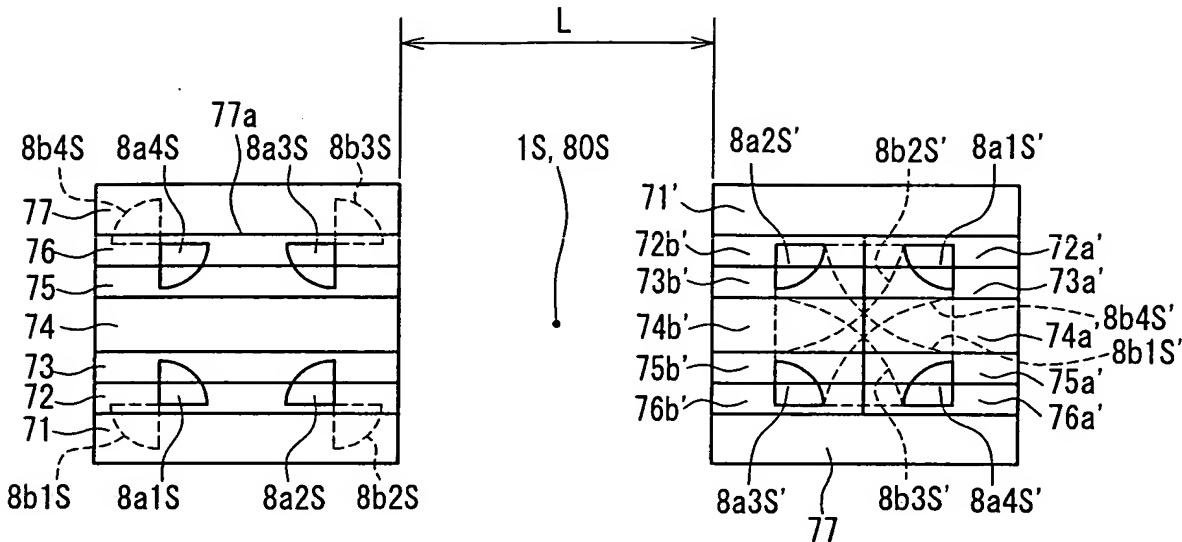


FIG. 17

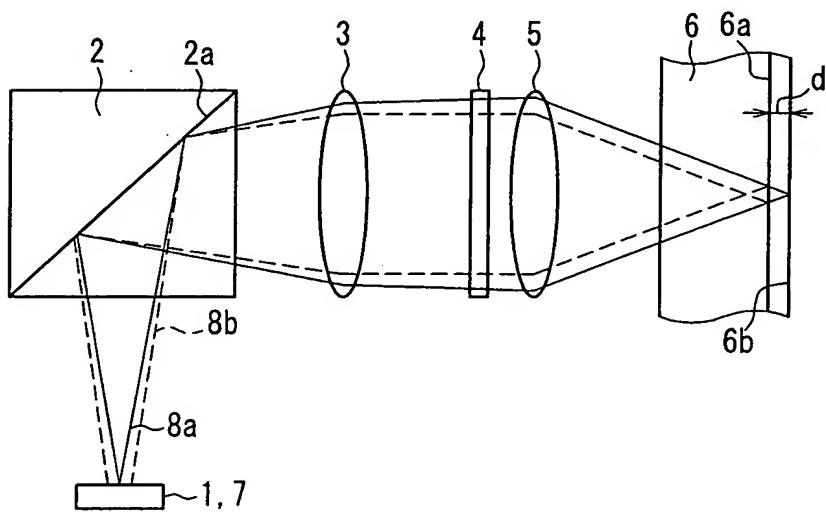


FIG. 18

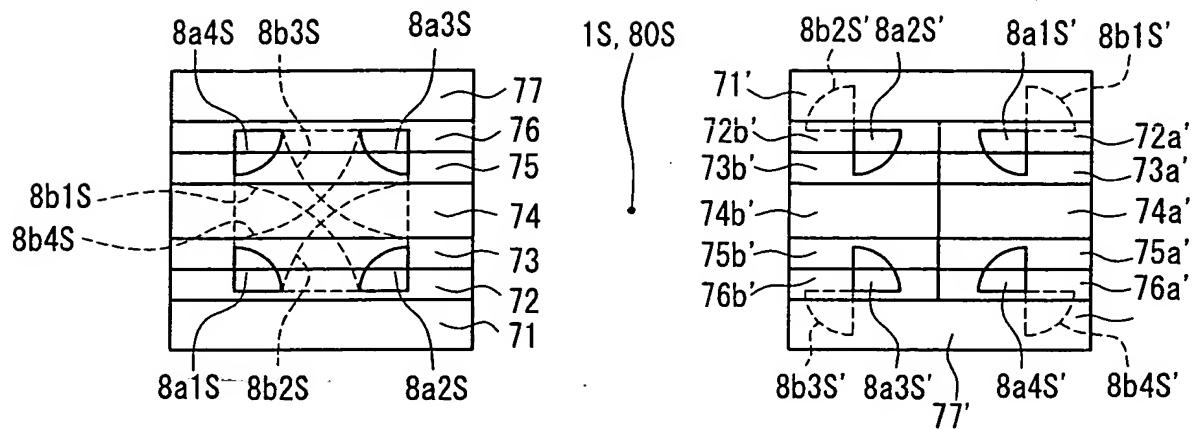


FIG. 19

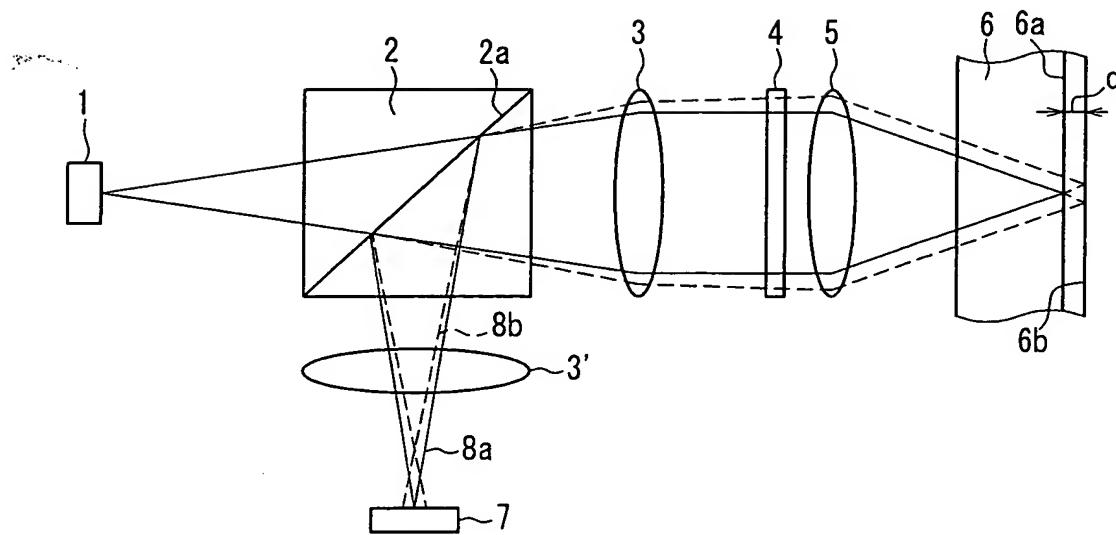


FIG. 20

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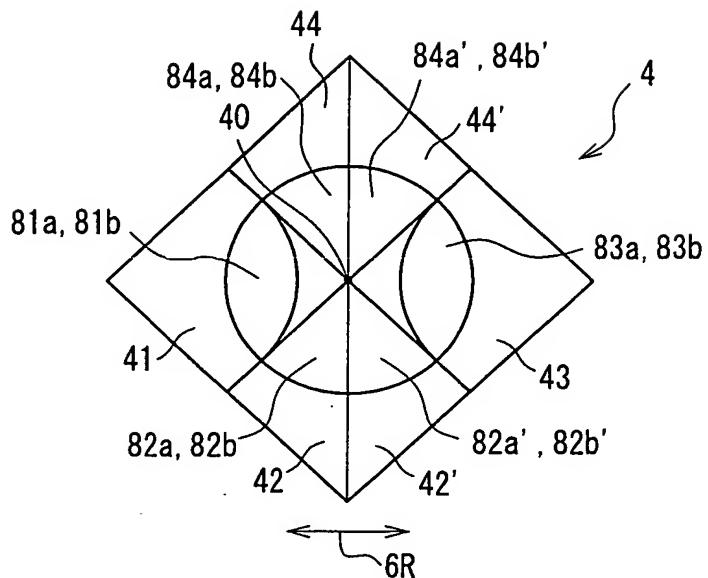


FIG. 21

FIG. 22A

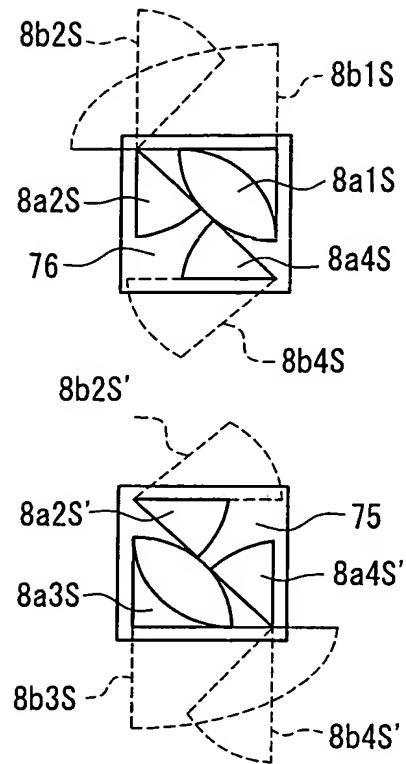
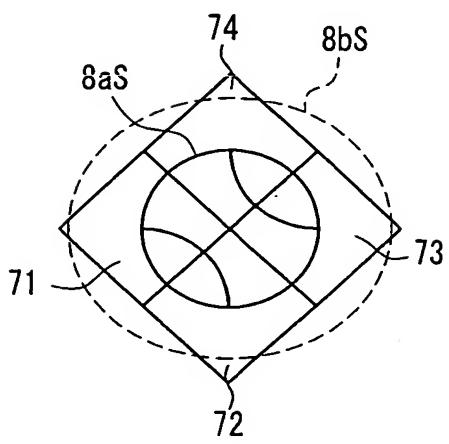
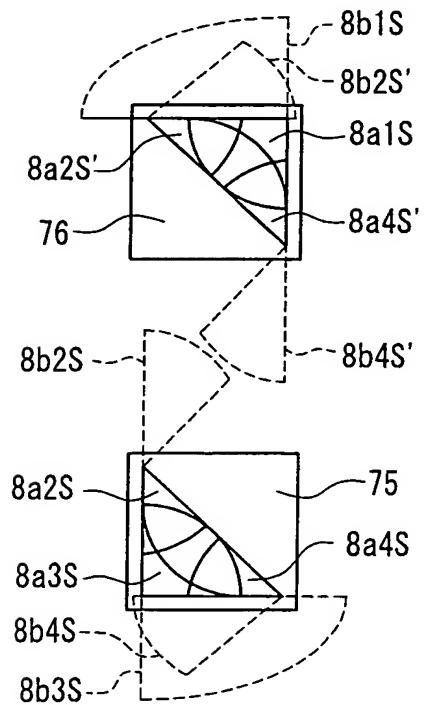
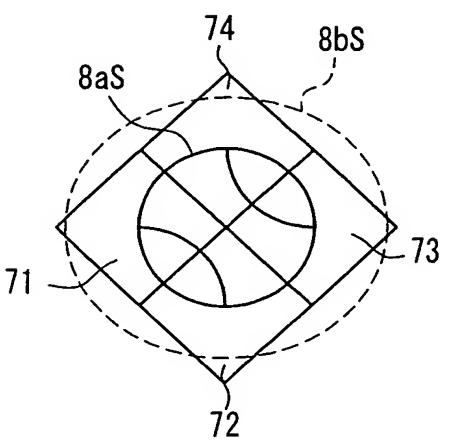


FIG. 22B



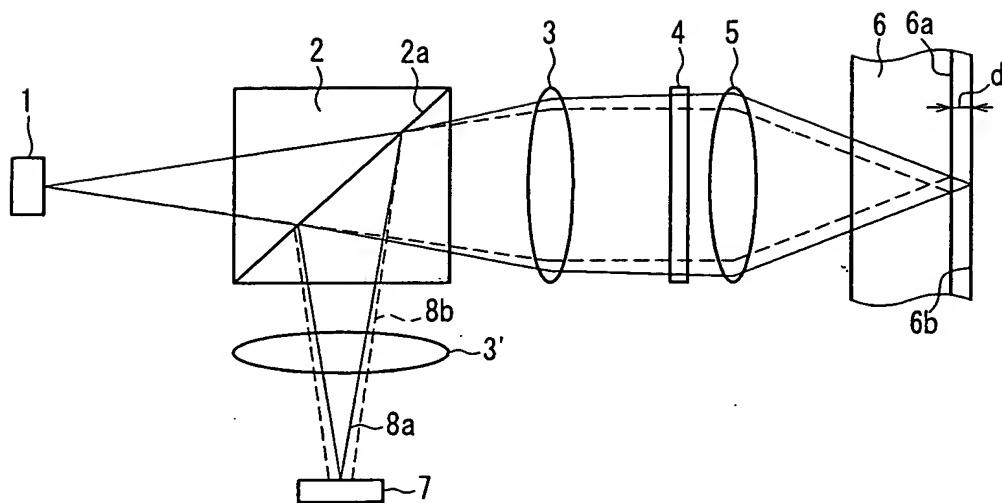


FIG. 23

FIG. 24A

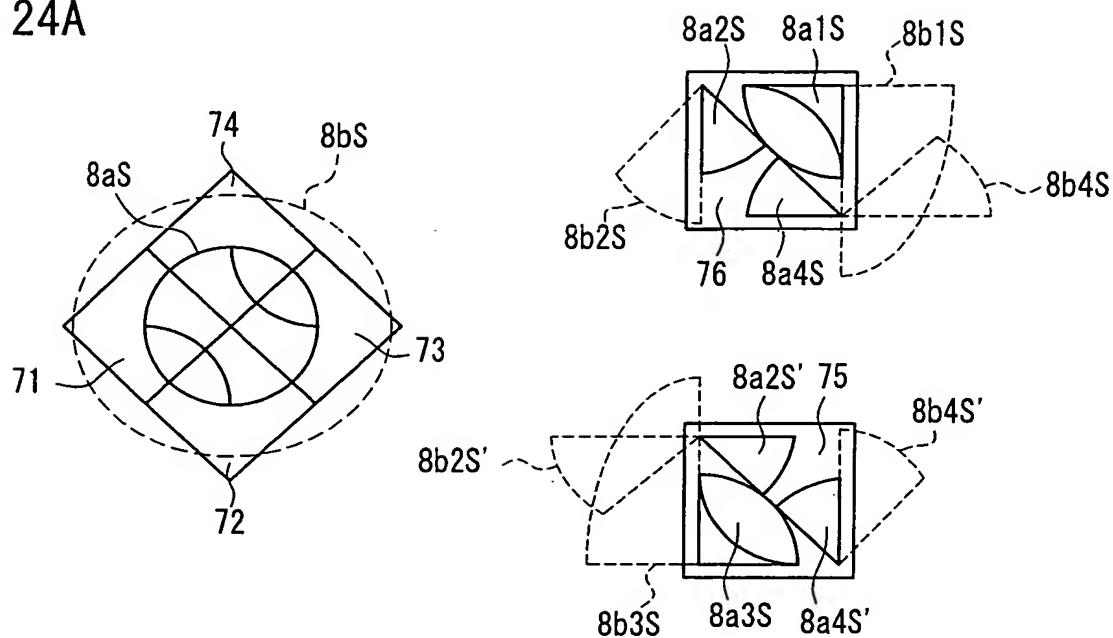


FIG. 24B

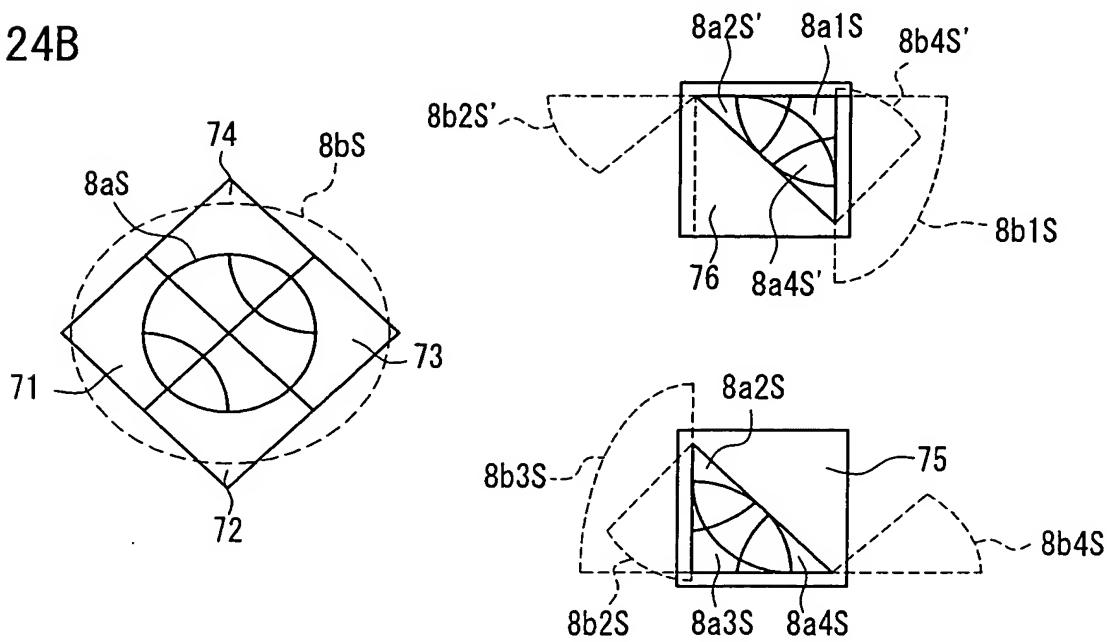


FIG. 25A

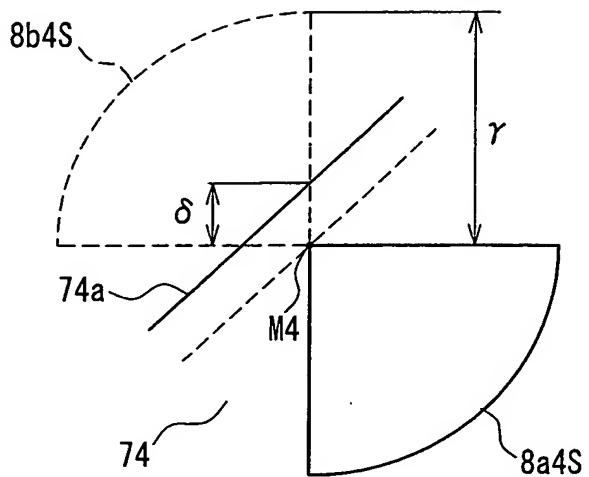
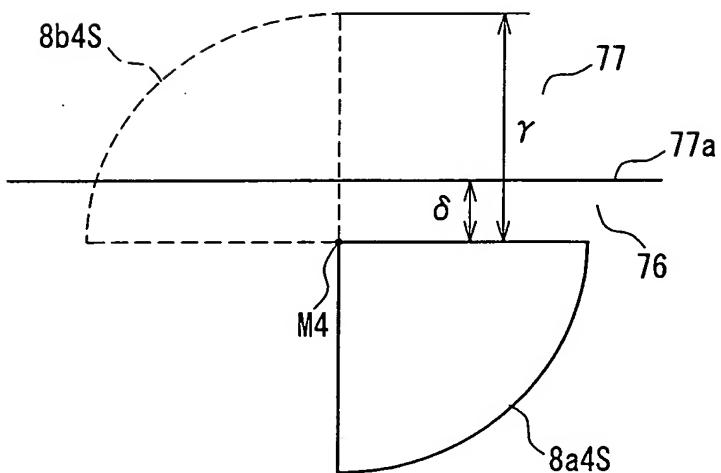


FIG. 25B



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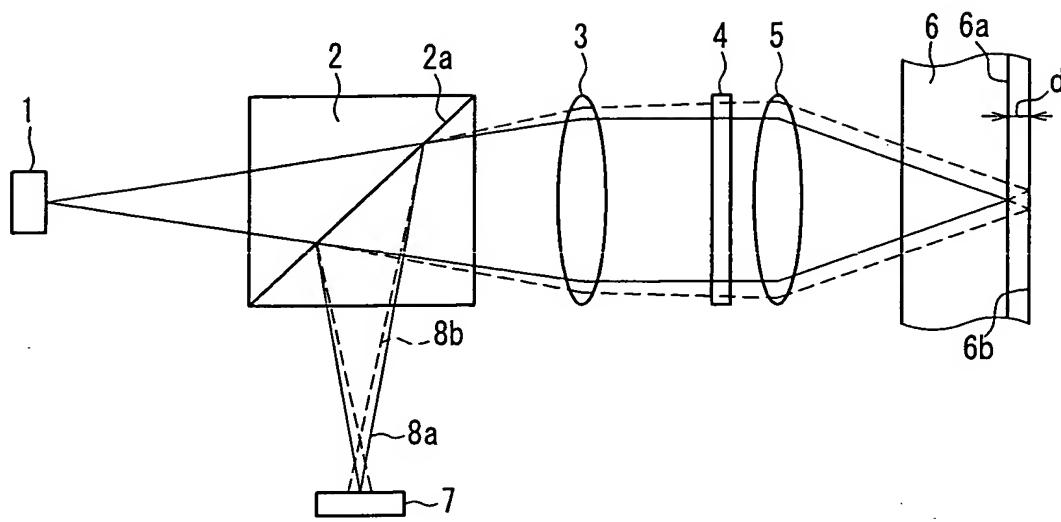


FIG. 26

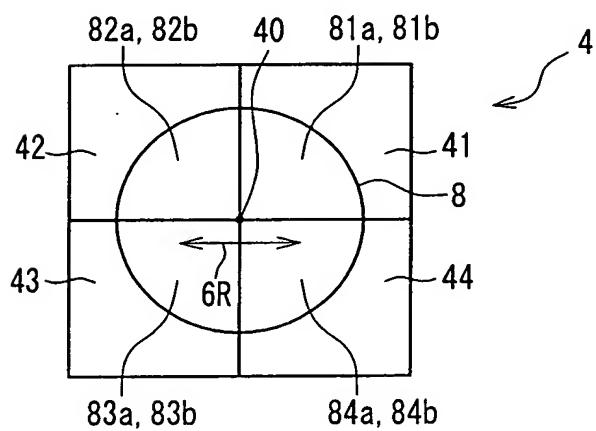


FIG. 27

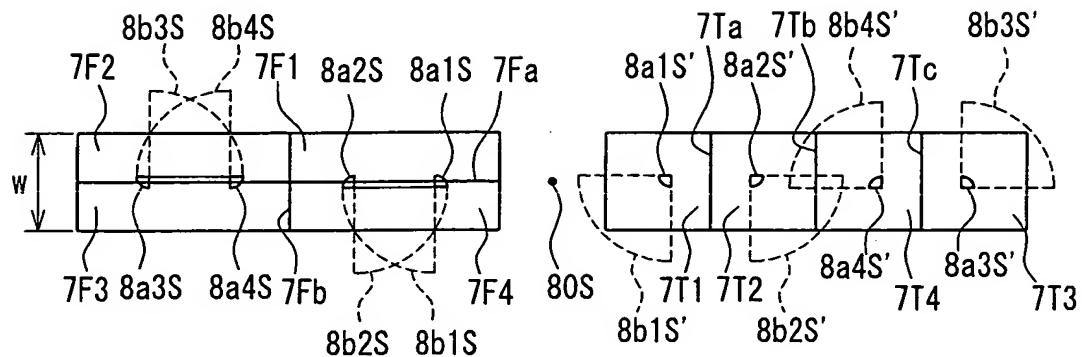


FIG. 28

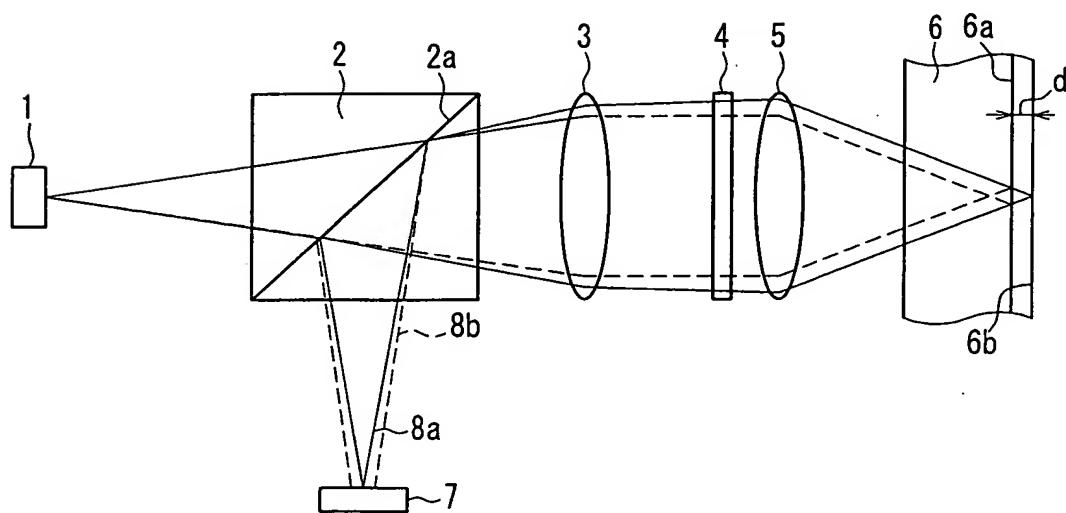


FIG. 29

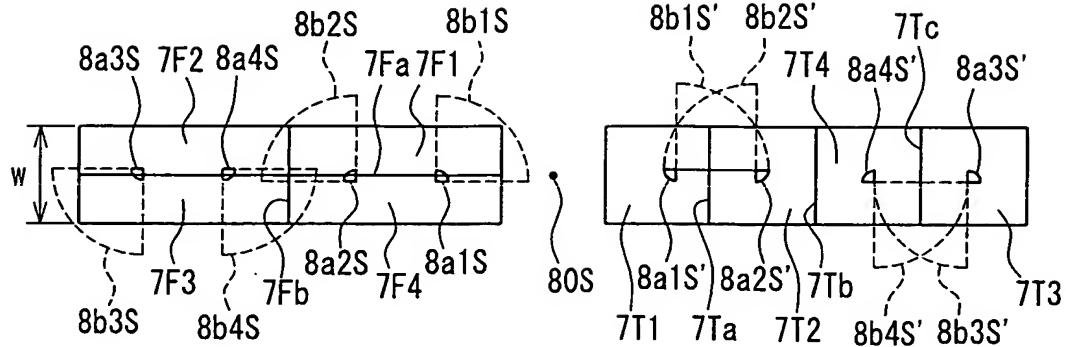


FIG. 30

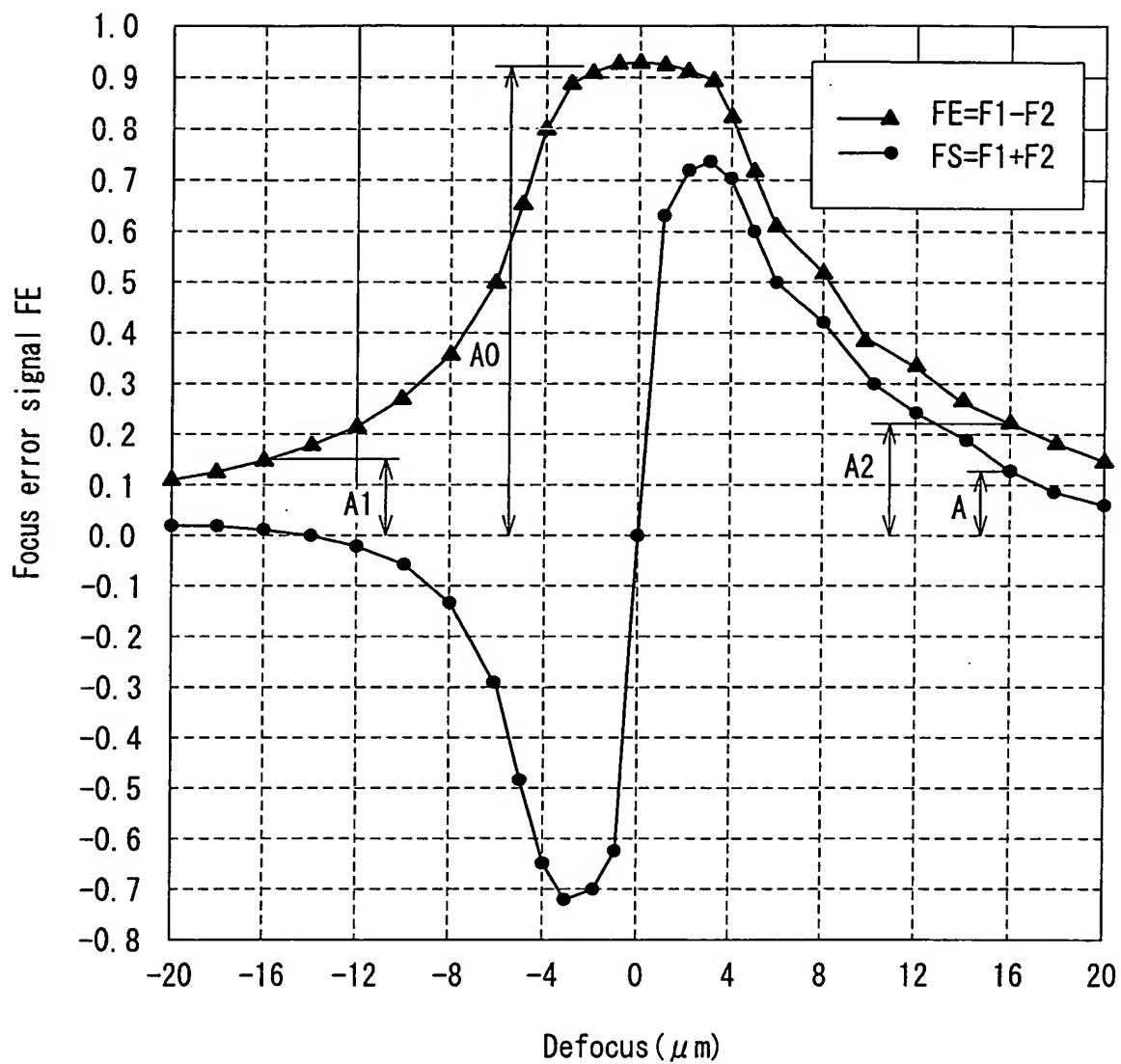


FIG. 31